ANSWER SHEET

Pass mark that our PLA6ABLE team have set for this exam is 117/180

| Fas | as mans usa | I OUL | PLADADL | E DE al | II ITAVB 561 | FOR THE | BXAM III | 1133,100 | | | |
|-----|-------------|-------|---------|---------|--------------|---------|----------|----------|----|-----|------|
| | D | 31 | E | 61 | B | 91 | C | EZT | C | 151 | C |
| 7 | В | 32 | A | 62 | E | 92 | D | 122 | E | 152 | C |
| 3 | A | 33 | C | 63. | E | 93 | B | 123 | G | 153 | A |
| | A | 3.4 | D | 64 | 63 | 54 | E | 124 | E | 154 | D |
| 5 | Ē | 35 | C | 65 | B | 95 | C | 125 | A | 155 | C |
| 6 | C | 36 | £ | 56 | C | 96 | A. | 126 | В | 156 | Ε |
| 7 | В | 37 | 8 | 67 | 0 | 97 | В | 127 | 8 | 157 | A |
| | B | 38 | 8 | 68 | A | 90 | D | 120 | A | 158 | C |
| 9 | 8 | 39 | - 8 | 69 | 8 | 99 | A | 129 | C | 159 | A |
| 10 | A | 40 | C | 70 | Ė | 100 | В | 130 | G. | 160 | A |
| 11 | B | 41 | D | 71 | E | 101 | C | 131 | C | 161 | A |
| 12 | D | 42 | A | 72 | A | 102 | D | 132 | 8 | 162 | D |
| 13 | В. | 43 | В | 73 | C | 103 | A | 133 | B | 163 | D |
| 14 | 8 | 44 | 8 | Z | C | 104 | C | 134 | В | 164 | A |
| 15 | Α | 45 | E | 75 | C | 105 | C | 135 | A | 165 | A |
| 16 | A | 46 | E | 76 | A | 106 | D | 136 | A | 166 | E |
| 17 | 0 | 47 | D | 7 | B | 107 | C | 137 | E | 167 | A |
| 18 | В | 48 | D | 78 | E | 108 | D | 138 | G | 168 | A |
| 19 | D | 49 | E | 79 | C | 109 | D | 139 | D | 169 | В |
| 20 | C | 50 | 8 | 80 | A | 110 | C | 140 | В | 170 | A |
| 21 | A | 51 | D. | M | A | 111 | C | 141 | В | 171 | B |
| 22 | E | 52 | A | B2. | A | 112 | D | 142 | | 172 | A |
| 23 | C | 53 | A | 83 | C | 113 | D | 143 | A | 173 | Θ |
| 24 | D | 54 | C | 84 | A | 114 | C; | 144 | B | 174 | C |
| 25 | C | 55 | 8 | 85 | C | 115 | 6 | 145 | D | 175 | A |
| 26 | D. | 56 | D | 86 | Ð | 116 | A | 146 | A. | 176 | C. |
| 27 | E | 57 | Ç | 87 | В | 117 | E | 147 | B | 177 | E |
| 28 | 0 | 58 | C | 88 | G | 118 | В | 148 | C. | 178 | 8 |
| 29 | C | 33 | E | 89 | C | 119 | В | 149 | D | 179 | Á |
| 30 | A | 60 | £ | 90 | E | 120 | C | 150 | A | 180 | C |
| 2 | | | | 2000 | | | | | | | |
| | | | | | | | | | | | F 74 |



| | NO. | PLABABLE EXPLANATIONS (Some of the explanations are not complete but they will be complete at the end of the last day of the course. All explanations will be updated on this day too to better answer your questions during the discussion on the last day) |
|---------|-----|--|
| | 1 | Quantity of medication in words and figures. This is crucial for controlled drugs prescriptions, where the risk of misuse is high, it ensures clarity and minimises the risk of dosing errors. |
| | 2 | This is local anaesthetic loxicity with the typical symptoms being paraesthesia and tinnibus followed by hypertension and reduced consciousness. Treatment is with a 20% intralipid infusion. The hypertension is secondary to the lidocaine toxicity - antihypertensives such as amiodipine is not the solution. |
| | 3 | The pain on abduction between 60 to 120 degrees, also known as the painful are, is a classic sign of supraspinatus involvement. |
| sternde | 4 | This is likely an stroke and requires a CT head to rule out a haemorrhagic stroke. This is NOT Bell's palsy, as the question describes an UPPER motor neuron lesion. Bells palsy will result in total paralysis of the side of the face, including the forehead on the affected side. |
| | 5 | Vascular dementia is often associated with risk factors such as hypertension and atrial fibrillation and can present with a stepwise decline in cognitive function following multiple infarcts or strokes |
| | 9 | The ischaemic changes on the ECG correspond with a lateral myocardial infarction which involves the left circumflex artery. (Leads I, AvL, V5 and V6) |
| | I | in a pregnant woman with a history of recurrent pregnancy loss and positive anti-cardiolipin antibodies, the management focuses on preventing thrombolic events, which are a known risk in antiphospholipid syndrome. Aspirin and neparin have been shown to improve pregnancy outcomes in women with antiphospholipid syndrome. |
| | 1 | Adam |
| | 1 | Naloxone to reverse opicid toxicity. Opioids result in pupillary constriction. Benzodiazepines would result in mild pupil dilatation or just a normal pupil. |
| le le | 10 | Von Willebrande disease is predominantly inherited in an autosomal dominan pattern. |
| | 11 | The amoxicillin is not appropriate due to the penicilin allergy. Clarithromycin is an option but you would have to stop life statins. |
| | 12 | The first step is the check whether the woman has had chickenpox before by checking her varicella IgG serology. If positive, she can be reassured. If negative (meaning she has not had chickenpox before), acidovir should be offered as prophylaxis. |



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| 13 | The first-line treatment for protectinomas, particularly when symptomatic, is medical management with dopamine agonists. Cabergoline is preferred over bromocriptine due to its higher efficacy and lower adverse effect profile. Surgical resection, radiotherapy, and observation are generally considered in cases where medical therapy is ineffective, contraindicated, or in the presence of certain complications related to the adenoma. |
| 14 | A suspected scaphold fracture with a normal initial x-ray should be immobilized and reviewed in 2 weeks. |
| 16 | CTPA is the most appropriate here given a suspected PE. The CXR is normal here. |
| 16 | Labelaiol is the first line management of hypertension in pregnancy. A threshold of 140/90 should be used. Labelaiol must be avoided in patients with asthma due to the risk of bronchospasm. |
| 17 | She is hypotensive. The immediate or next appropriate step in managing this patient would be to obtain IV access via 2 large-bore intravenous cannulas and start the patient on intravenous fluids. Then endoscopy. |
| 18 | Aortic stenosis = Ejection-Systolic murmur radiating to the carolids |
| 200 | Subcut cyclizing would be helpful here, hyoscine butylbromide is helpful for spasms for intesintal obstruction but does not quite help with vomiting |
| 20 | This patient is deficient in vitamin D with symptoms. The loading regimen should provide a total of approximately 300,000 international units of vitamin D, given either as separate weekly or daily doses over 5–10 weeks. Maintenance therapy of vitamin D should then be continued; 800–2000 IU daily. |
| 21 | Long-QT syndrome is a cardiac electrophysiological disorder, which can lead to sudden cardiac death. The mainstay of treatment for patients with symptomatic long-QT syndrome, especially with a history of syndrome, is the use of beta-blockers. These medications help in reducing the occurrence of life-threatening arrhythmias. Immediate cardioversion (B) is used in acute settings where there is haemodynamic instability due to arrhythmias, not as a first-line treatment in stable long-QT syndrome. Calcium channel blockers (C) are not typically used in the treatment of long-QT syndrome. An implantable cardioverter-defibrillator (ICD) (D) might be considered in severe cases or in patients with recurrent symptoms despite medical therapy. Lifestyle modifications (E) are recommended, mainly to avoid triggers, but they are not sufficient as the sole treatment for this condition. |



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22

Impetigo is a very contagious Group A strep bacterial infection of the skin. It usually occurs around the mouth and crust, golden-brown patches develop around the sores.

The Montreal Cognitive Assessment (MoCA) is a widely recognized tool for evaluating cognitive function, particularly sensitive to detecting mild cognitive Impairment, it assesses several cognitive domains such as attention. memory language, executive functions, visuospatial skills, and orientation. This tool is more comprehensive and sensitive for detecting milder forms of cognitive impairment compared to others, making it suitable for a patient like the one described. Mini-Mental State Examination (MMSE) is also used for cognitive assessment but is less sensitive than MoCA for detecting mild cognitive impairment. The Clock Drawing Test is a simple and effective tool to screen for cognitive impairment but does not provide a comprehensive assessment of all cognitive domains. The Gertatric Decression Scale is used. to assess depression in the elderly, not cognitive impairment. The Barthell Index for Activities of Daily Living assesses the patient's ability to perform daily activities. This is important to assess how she is managing, but here you want to lest specifically for cognition. Picking out ACE vs MOCA is tough. Here is a paper showing they are quite equivalent for identifying mild cognitive impairment - https://pubmed.ncoi.nlm.nln.gov/31571881/

Tension oneumothocax

- = Increasing shortness of breath following trauma-
- = Hyper-resonance on affected side
- = Reduced air entry on affected side
- = Trachea deviated away from the affected side (not mentioned in question)

24

Cardiac tamponade

- = Muffled heart sounds
- = Raised JVP
- = Hypotension

The answer will not be haemo-pneumothorax in the exam - dinical scenario not easy to differentiate.



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| 25 | Rapid eye movement (REM) Sleep Behavior Disorder involves the enactment of dreams during REM sleep due to the loss of normal muscle atonia that typically occurs. Actions of punching and shouting, particularly in the fatter half of the hight when individuals spend more time in the REM stage of sleep, is characteristic of REM Sleep Behavior Disorder. It is often related to alphasynucleinopathies such as Parkinson's disease but can occur many years before the plagnosis. |
| 26 | This man has taken a paracetamol overdose. N-Acetylecystine should be started immediately when the patient has reduced consciousness or the timing of ingestation is not clear. His wishes written on the paper are not legally binding. |
| 27 | Both hepatilis 8 vaccine and hepatitis 8 immunoglobulin (H8IG) should be administered to the newborn as the most effective method to prevent nepatitis 8 Iransmission from a mother who is positive for hepatitis 8. The vaccine initiates the baby's immune response against the virus, while H8IG provides anmediate passive immunity. This combined approach significantly reduces the risk of the newborn acquiring bepatitis 8. The hepatitis 6 vaccine alone is less effective than the combination of the vaccine and H8IG in the case of maternal hepatitis 8 infection while H8IG alone provides only short-term protection and does not initiate the baby's own immune response against nepatitis 8. A full course of the hepatitis 8 vaccination is required as a single dose of the hepatitis 8 vaccine is not effective in stimulating a sustained immune response against the virus. No treatment or vaccination is not an appropriate choice given the mother's continued acute hepatitis 8 infection, as it leaves the newborn at high risk for infection. |
| 28 | Isoniazide is an enzyme inhibitor, which leads to a raised INR due to reduced metabolism of warfarth. |
| 29 | Release cast. Severe + escalating pain would make you think of compartment syndrome |
| 20 | The is acute alcohol withdrawal, which should be managed with a long acting benzodiazepine. Acute alcohol withdrawal occurs after ~6 hours from the last alcoholic drink. Note this question is NOT delinum tremens - which occurs 46-72 hours from the last drink. The patient is not confused. |



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| 21 | Psychotic depression, also known as major depressive disorder with psychotic features, is characterised by the presence of depressive symptoms along with psychotic symptoms such as halfucinations (hearing voices or seeing things that are not there). Schizophrenia is primarily characterised by persistent psychotic symptoms. While the patient has halfucinations, her profitinent mood symptoms and the context of these symptoms (following the death of her husband) point more towards psychotic depression. Alypical Depression is subtype of depression is characterised by mood reactivity (mood brightens in response to positive events) and specific features like littereased appetite or sleep, which are not described in this case. |
| <u>32</u> | Administration of mineralocorticoid receptor antagonists (spironolactone) reduces the risk of hypertensive crisis during surgery for Contr's syndrome. |
| 22 | Achilles tendon rupture. Gastrocnemius muscle is affected. |
| 34 | The junior doctor is NOT your patient, therefore performing a clinical examination, requesting investigations or prescribing antibiotics will not be the correct answer. The doctor should be advised to make a GP appointment and if he does not feel he can work, should go home sick |
| 35 | Scablesi Classic picture. The severe pruntus, especially at night, and the distribution of the lesions on the hands, wrists, and axillae are characteristic of scables. |
| 26 | The patient's capiacity to make the decision should be assessed. A diagnosis of dementia does not mean the patient lacks capacity to make a specific decision. |
| 22 | Ureteroscopy (with likely stenting), is often the preferred approach for stones in the ureter particularly when they are larger than 5 mm. This method allows for direct visualisation and removal of the stone, and stenting helps in managing any associated hydronephrosis. Sometimes we just use the term ureteroscopy without actually saying stenting or stone removal. Percutaneous nephrolithotomy is reserved for larger stones (>20mm) Extracorporeal Shock Wave Lithotripsy (ESWL), is generally preferred for |
| 38 | Nichey stones located in the renal pelvis and of size between 5-10mm 129 patients with Hepatitis Sze had a negative AJ-test (false negative - those who tested negative but have the disease). |



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| | The patient's presentation with acute onset headache, ptosis, and a fixed, dilated pupil (suggestive of an oculomotor narve palsy), and eye deviation raises a high suspicion for an aneutysm, particularly a posterior communicating afters aneutysm. CTA is a rapid, non-invasive imaging technique that is highly effective in detecting cerebral aneutysms and is the investigation of choice in this scenario. |
| and the | A good question to compare where a MRI scan is the answer would be "CS 4621" in "CS 4621", the answer is an MRI scan because the symptoms suggest a possible intracranial process, like a furnour, which could be causing pressure on the eye muscles or nerves. An MRI scan is more sensitive for soft tissue detail and is better for visualizing intracranial turnours. But in THIS scenario here, this 47 year old woman has an acute onset of symptoms with specific signs pointing towards a third cranial nerve paisy. An aneutysm is thought of in this case and so a CTA is more appropriate. |
| 40 | This patient gives a history of irritable bowel syndrome, with normal investigations and no evidence of colonic inflammation (normal faecal calprotecting) Faecal calprotectin is an inflammatory protein which will be raised in inflammatory bowel disease and infections but negative in irritable bowel syndrome |
| 41 | Elevated levels of CRP are common in rheumatoid arthritis. MCV + MCHC is within normal range. Anaemia of chronic disease fits best. Sickle cell anaemia can also have normocytic anaemia but would not make sense given the hx of raised CRP and rheumatoid arthritis. |
| 42 | This patient is a non-responder to the hepatitis B vaccine. He has been vaccinated against hepatitis B but has a negative Hepatitis surface antibody. He should receive a further vaccination. |
| 43 | Loss of sensation along the ulnar side of the right hand, difficulty with fine motor tasks, and a "claw" hand deformly particularly affecting the pinky and ring fingers — are indicative of an ulnar nerve injury. The ulnar nerve innervates the interosser muscles of the hand, which are responsible for the abduction (spreading apart) and adduction (bringing together) of the fingers. |
| 44 | Xanthochromia, the yellow discoloration of cerebrospinal fluid (CSF) caused by hemoglobin catabolism, is classically thought to arise within several hours after subaractionid hemorrhage (SAH). |

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| 45 | Given the lack of specific information about the exact substances involved, the most appropriate initial step would be to provide supportive care with intravenous fluids and close observation white awaiting further assessment and possibly toxicology results, it is hard to say what substance this is Opioids would typically give constricted pupils rather than dilated Benzodiazepines tend to result in respiratory depression which we do not see here. Also, profuse sweating is not a typical feature of benzodiazepine. |
| 46 | Life threatening asthma - Cyanosis - Hypotension - Silent chest - PEFR <33% - Sals <92% Inability to completed sentences in one breath is a sign of severe asthma, but not specific to life threatening. |
| 47 | Stage 1 hypertension - HBPM more than 135/85 but less than 150/95 mmHg. BUT she has cardiovascular risk at 10% which means we should offer an antinypertensive. No point giving another statin (stie is already on atoryastatin). |
| 4.0 | A side effect of Pyrazinamide is acute gout. |
| 49 | Testicular torsion. Don't delay! You need to salvage the testicle |
| 50 | This woman should be offered combined hormonal replacement therapy (oestrogen and progesterone) Cestrogen-only hormone replacement therapy would be mappropriate as she still has a uterus - increasing the risk of endometrial hyperplasia/mailgnancy Measuring FSH adds no value - it will obviously be nigh because of the tack of negative feedback from ovarian hormones. Clomiphene is not used as a hormone replacement therapy Evening primrose oil is a complimentary therapy and is not prescribed or recommended. |
| 81 | Grave's disease - most specific test is Anti-thyroid stimulating hormone receptor antibodies (TSHR-Ab). |
| 52 | Gilbert's disease = genetic condition (usually autosomal recessive) leading to recurrent mild unconjugated by perblimbinaemia. The precipitating factors include stress acute illness and menstration |

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| 60 | The gradual increase in urine output over time suggests a transient issue rather than a sustained injury or systemic cause such as acute kidney injury. The most plausible explanations are catheter kinking or blockage. Unlikely to be dehydrated as the anaesthetist would administer fluids. |
| 34 | Women with HIV are recommended NOT to breastfeed due to the risk of vertical transmission. Formula milk is provided Antiretroviral therapy should be continued throughout pregnancy. Women who have an undetectable viral load are unlikely to pass on HIV to their bables. The mode of delivery will depend on the viral load of the mother in the third trimester. If undetectable, a vaginal delivery will be recommended. Barrier nursing is not required for HIV. |
| 55 | Oral vancomycln is recommended for the initial treatment of C. diff infection |
| <u>56</u> | First line treatment for gestational diabetes is diet and exercise, followed by metformin then insulin Gestational diabetes is confirmed on an oral glacose tolerence test with readings >=5.6 for fasting blood glacose and >=7.8 for the 2 hour blood glacose reading |
| ΔZ | The Intrauterine System (IUS) is an effective treatment for menorrhagia, NICE CKS considers it to be the first line https://cks.nice.org.uk/topics/menorrhagia-heavy-menstrual-bleeding/management/management# - text=tn%20current%20practice% 20%20the%20levonorgestret #e%20and%20satisfaction%20with% 20treatment |
| <u>āā</u> | Primary = Secondary to a parathyroid gland adenoma (high calcium, vitamin D, and PTH levels and a low phosphate level) Secondary = Secondary to hypocalcaemia (Low serum calcium and vitamin D levels, and high phosphate and PTH levels) Terriary = Choose this is CKD/iddney transplant with HiGH calcium (high serum calcium, phosphate, and PTH and low vitamin D levels) Quertery = Do not choose this in PLAB |
| 58 | Serology is the best one to pick for leptospirosis |

54518

Schenich



| NO. | PLABABLE EXPLANATIONS (Some of the explanations are not complete but they will be complete at the end of the last day of the course. All explanations will be updated on this day too to better answer your questions during the discussion on the last day) |
|-----------|---|
| 50 | Due to her lowe weight and over exercising, she has disrupted her thalamic- pituitary-gondal axis. This is a type 1 ovuiation disorder and is managed with weight gain and reducing strenuous exercise Preature ovarian insufficiency is confirmed when - Under age 40 - Oligo/amenorrhoea for at least 4 months - FSH > 25 on two occasions 4 weeks apart |
| <u>£1</u> | Renal colic - results from kidney stones and is typically characterized by the kind of sudden, intense pain described in the scenario |
| 52 | In diabetes, the first line treatment for hypertension should be an ACE Inhibitor (unless black/Afro-cambean, then it should be an ARB) |
| 63. | Oral terbinatine is an effective treatment for tinea petis, especially in cases where topical antifungals have not been successful. It is particularly useful in instances where there is a significant degree of inflammation and scaling, as seen in this patient's picture. |
| 84 | This is a secondary pneumothorax due to his underlying lung disease. A chest drain is required |
| 益益 | Mirtazapine is considered a good option here. It has a lower risk of interacting with warfarin. Ventafacine can also increase bleeding risk. |
| 88 | Creatinine Kinase is a marker for muscle breakdown, as seen in myositis secondary to statins |
| 67. | Paralytic lieus is a common postoperative complication, particularly following abdominal surgery like appendectomy. It is characterised by a decrease or absence of bowel movements and sounds, due to temporary paralysis of the bowel. It is important to note the hyperresonant is on percussion. It is not hyperactive bowel sounds (as one would imagine during the early stages of mechanical obstruction). Mechanical intestinal obstruction is less tikely to occur so soon post-operatively without a history of previous abdominal surgeries or evident complications. |
| <u>is</u> | Sedation of aggressive patients with Parkinson's disease should involve the use of lorazepam. Haioperidol is contraindicated in Parkinson's disease as it can result in worsening motor function or psychosis. |



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|------------|---|
| sa - | Common in this age group. Hypertrophy and hyperplasia of the pyloric muscle lead to obstruction, causing forceful vorniting, har does not contain the |
| <u>70</u> | Ropinithie la dopamine agunist can be used to the treatment of lestless legs syndrome. |
| 11 | TP/TP+FN 95/400 Five just inverted the columns so I put the disease ones on the right side instead of the left to make it more confusing |
| 7 <u>2</u> | Anti-Jo t antibodies = myositis. The history suggests Gottron papules on his knockles and possibly stomach cancer, associated with de matemyositis Polymeustits does not have detriatively at findings. |
| 7 <u>a</u> | Dapagiiflozin, a sodium-glucose co-transporter 2 (SGLT2) inhibitor has been shown to be beneficial in the minimum to 2 diabetes and 1 kg. If not only helps to controlling blood glucose levets but also has a protective effect on the kidneys and can slow the progression of CKD. |
| Zā | The inferior epigastric artery can be injured during secondary port insertion, it originates from the external flac artery |
| 75 | Rv in 6 weeks is appropriate. No signs of infection so just conservative management. |
| 75 | This is describing Delta waves within Wolff-Parkinson White |
| I | This is acute angle closure glaucoma. Timoloi dreps is the managemen: |
| 78 | witimps is an acutel generalised infer for caused by a paramy covirus instally in children and young adults. Clasically there is inflammation of the parolid grands bilaterally feading to pain at or near the angle of the raw. The swelling causes distortion of the face and neck with skin over the grand not and flushed but there is no rash. |
| 23 | Cetificaine. This is in line with the treatment of unicaria where non-secaulity antihistamines like cetifizine are considered first-line therapy. |
| 10 | Goulfreads to the formation of needle shaped, monosodium prate chistals within the joint. |
| 61 | floctors have a duminimization of particles alith. Reporting the doctor of his employer educational supervisor or the GMC would breach this unless there is a clear public safety risk or legal obligation to report. |
| 92 | Polymyositis and Dermatomyositis lead to rise in creatinine kinase de maionyositis also has mataneous age which are not irresent he er |



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| 93 | These are common symptoms of benzodiazepine overdose. A respiratory rate of 7 preaths per minute indicates respiratory depression. The anertal blood gas values, particularly the elevated PaC O2, are consistent with respiratory depression, which can be caused by benzodiazepine overdose. |
| 14 | Anterior uvertis = Red_painful eye with cells in the anterior chamber and prominent ciliary vessels. It is commonly associated with HLA 827 |
| 45 | Suggestive of orbital cellulitis, a senous infection that involves the tissues' surrounding the eye. Orbital cellulitis can rapidly progress and potentially feath to serious complications, including vision loss, and intraolania. Infections Prompt and aggressive treatment with the antibiodics in a hospital setting is typically recommended. |
| <u>88</u> | Dysphagia particularly to solids with weight loss in the alderly = oesophagea cardinoma. There are no other signs of CREST syndrome (limited cutaneous systemic scierosis) or St.E. |
| шī | NNT = 1,ARR ARR = ARC ART = 10 200 |
| 88 | Tetanus vaccine = toxoid |
| 89 | Sertratine can result in hyponatraemia. Hyponatraemia can read to symptoms like confusion, fatique, and other mental changes. |
| 90 | This is glardia. Symptomis are very similar to coeliac disease 'bloating, steartorrhoea), usually with a travel history |
| 31 | nime case of a hordeolum loften known as a sivel, the first-line treatment typically involves applying warm compresses to the affected eyelld. |
| 32 | This patient has acute meningitis and has presented to A&E. • Ceffnaxone should be administered right away in amuscular benzylpericillin is ONLY in be used if in the community GP surgery. |



| НО | PLABABLE EXPLANATIONS Some of the emplanations are not comprete to the white implies of the control to the second of the control of the contr |
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| 2,4 | ESR is often elevated in conditions involving inflammation, such as pears alpha the image a Abich could be considered with his sumplimes of persistent muscle pain and fatigue in the hips and shoulders. |
| Ħ | A suction catheter is an appropriate method of removing a seed from the external and in a part water inserting must not be fill propriate material such as seeds due to the lock of sixening resulting in the skinn's designant ate is a less fluid over the lock of sixening and the skinn's designant ate is a less fluid over the lock of sixening and the skinn's designant aterials at the skinn's designant at the skinn's designant aterials at the skinn's designant aterials at the skinn's designant aterials at the skinn's designant at the skinn's designant aterials at the skinn's designant at the skinn's designant aterials at the skinn's designant at the ski |
| 95 | Doxy is most appropriate for cyme disease with pen allergy |
| 26 | Holmes-Adie pupi A benign condition associated with a dilated pupil which is slow to respond to a light sumulus and then lerrains on since of an actionmalking time it is to set the set of an actionmal of the set of a se |
| 27 | GORD is common in intants: Thickeners are one of the first things to by Thickening the formula can help reduce the frequency of regurgitation Ranitidine is no longer available in the UK. All Boenses for ranitidine medicines were suspended by the European Commission and the Medicines are the after an anticle for the internal order. The presence of N-nitrosodimethylamine (NDMA), a probable human car incore? |
| 20 | हुन व da pro । अवन अवन्य अर्थ हुन का हुन का वा वा वा वा वा अर्थ अर्थ ने अर्थ का वा |
| 72 | The first-line treatment for ingermal neuralgia is carbamazepine |
| 100 | Slipped upper femoral epiphysis (SUFE) = Displacement of physis of the principal femoral epiphysis a melting ice fearn, one appearance on x a. The management is surgical. |
| 191 | A stome and mass me obstructed segment of hower which can aller ate symptoms and improve quality of life |
| 102 | is palled wood is imminors. I despect the triphetric applications with signs and symptoms socioes live if heroes also inphilipal ideas in AZC a reactivation of the varicella-zoster virus in the ophthalmic branch of the imperiors before in imminor suppressed at this is a action in 5 the treatment of those if the caller is as HZC without being improcompressed then oral adictioning all right. |
| 194 | The views of Pardiatric Frames the stay, populate have due to some views of the production of the state of the solid to th |



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|-------|---|--|--|--|--|
| 104 | ardive to skinesia is a condition characterized by repeative involuntary movements most commonly affecting the face longue and mouth it is a known side effect of long-lerm use of antipsychotic medications, particularly older ones, such as typical antipsychotics. | | | | |
| 105 | ventafakine i ombined HRT and also pestrogen only HRT should be avoided in patients with breast cancer. | | | | |
| 106 | no ansent kneer leftex, weakness in keg ex ansent, and senson, loss in the anterior thigh and media, leg suggest involvement of the femoral nerve. | | | | |
| 107 | Staphylnopecus aureus is the most common causative organism in actational masults | | | | |
| 108 | A buckle fracture laiso known as a forus fracture is a common type of injury in Initiren due to the relative flexibility and lesillence of their bones compared to adurs in this scenario laichid failing onto an outstretched arm is a typical mechanism for a buckle fracture. The force of the fall causes the bone to compress and buckle rather than break completely. The fact that there is no deformity is consistent with this | | | | |
| 193 | This test helps in confirming the diagnosis of NPH and also predicts the response to surgical treatment, such as ventriculoperdoneal shurthing. An improvement in symptomistollowing the CSF drainage that would strongly support a diagnosis of NPH and indicate a potential benefit from shunt surgery. | | | | |
| 1,1,9 | Addovir Tris is shingles (herpes zester). Treat with addovir | | | | |
| 111 | Lamburgine is often considered a first-line treatment in pregnancy for new- naset epilepsy due to its favourable safety profile in terms of reliatogenic laws. | | | | |
| 112 | This palients his not of dring abuse and prolonged immobility combined with his clinical presentation and elevated life and creatione, shongly points towards, habdomyolysis. Elevated levels of CK in the blood are a halimark of mandomyolysis. | | | | |
| 113 | Topical treatments like dimeticone 4% totion are generally preferred as first- line treatments to head like—her are effective have a good safety profile and are easy to use | | | | |
| 1314 | Intranasal fluticasone is a intranasal steroid of is used for nasal polyps as first line. Oral pred is also one that is used for short term in patients with severe symptoms but usually only after a trial of intranasal corticesteroids. | | | | |



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PLABABLE EXPLANATIONS. Some of the explanations are not complete him has will be complete at the end of the last day of the course All explanations will be updated on this day, bot to bener answer your questions or ting the discussion on the kas iday.

The most appropriate indical model a two-week wall, www. referral for an upper gas fointestina: exposupply in this scenalic is severe apigastric pain while severe epigastric pain on its own may not atways necessitate a 25% referral its combination with weight loss, particularly in a patient aged 55.

115 years of bider significantly freighters the clinical trigency.

Severe epigastric pain, particularly when this persistent and unexplained, can be indicative of an upper gas reintestinal malignancy such as gastric cancer or lower desophageal cancer.

This is a lumpion presentation to mention. Black whereby from parients present with subjective memoril problems following minor head injunes there is often difficult, with concentrating and short term memory whereas recall for long term memory is largely preserved. A family history is important to suggest genetic causes of dementia, however, developing dementia above. the age of 80 is more likely to be sporadic dementia. This questions asks which screening test is most appropriate. The Hospital Alline's Elephession. Score HADs its a useful screening tool for depression and anxiety while the Apathy Molivation Index. At I was designed to delegapain, it had is an base in this case but this isn't a primary depression and there is a clear. financial cause for its row mood. The mini-mental state examination. MinSE and abreviated mental examination sucre (AFFS) are both structured. screening tooks for logodive difficulties and demental. The answer for this question is the latits illas if is more in-degree and gives a score out of "E omiliared in AllaTs which is 10 quick questions. The LOTISE therefore gives more information when examining Lightsve ability. The Wechsler Adult medigence State is AIS us a good lest of general in editience and 10 but is eserved to more in-depth profiling of cognition which is not indicated a links , early stage.

1

116

The choice of is morphine is the most appropriate for managing severe pain in a patient with stoke cell disease experiencing a vaso-occlusive crisis

117

While IV parace amolican be used as an adjunct or pain management if is less potent and not appropriate for sickle cell chais.



| NO | PLABABLE EXPLANATIONS: Some of the explanations are not complete but they will be remplete at the end of the kas, day of the course. All explanations will be updated on this day too to better answer your questions during the discussion on the tast day. | | | | |
|-----|--|--|--|--|--|
| 110 | Fibro Widespread pair. Symptom duration. The patient should report symptoms for at least three months, in addition to mese cateria, the diagnosis of fibromyalgia requires the absence of any other identifiable disorders that may explain the patient's symptoms. It is important to note that there are no specific laboratory or imaging tests to confirm the diagnosis of fibromyalgia. The diagnosis is primarily based on the patient's clinical presentation and symptoms, as well as the exclusion of other conditions. | | | | |
| 119 | The description of the lesion as a bright red dome shaped, and smooth surfaced skin teston is characteristic of a cherry angioma. Cherry angiomas are common benign skin growths that can develop in mes areas of the body and are usually found in people aged 30 and older. They are typically small round, and red, and they can vary in size but usually, between 0.1 1 cm. The tack of symptoms like pain or aching and the non tender non-bleeding nature of the teston upon examination further supports this diagnosis. | | | | |
| 120 | The clinical features described are alloges well of Acromegally in a hypical individual without Acromegaly oral administration of glucose suppresses the secretion of growth hormone in patients with Acromegaly however this suppression does not occur and growth hormone levels remain imappropriately high after glucose ingestion. | | | | |
| 121 | A CT scan is typically the first-line imaging modality for detecting liver metastases, especially in patients with a history of colorectal cancer. An abdominal ultrasound is a good initial test, too, but it is less sensitive and specific than a CT scan for detecting small metastases. So often, if one suspects liver metastasis is CT scan would be organised instead of an ultrasound scan. While other imaging techniques like FDG PET scan and MRI can also be used, they are generally considered after a CT scan, particularly if further detailed evaluation is necessary. | | | | |
| 122 | CXR should be the first imaging you request lever when thinking about PE | | | | |



| | ¥O. | PLABABLE EXPLANATIONS Some of the explanations are not complete but they will be complete at the end of the last day of the course. All explanations will be updated on this day too to better answer your question during the discussion on the last day. | | | | |
|--|-----|---|--|--|--|--|
| | 123 | The crinical presentation of left-sided facial weakness and arm weakness along with sluved speech and a history of hypertension and type 2 diabetes is suggestive of a stroke in this scenario, the most likely artery affected is the middle celebral artery. LICA: it's key to remember, has the MCA is the most frequently involved artery in stroke cases. | | | | |
| | 24 | Adjustment disproer given that riss just 3 weeks <6 months) and has a 50 csspir | | | | |
| 4 | 125 | ignam exictly can cause various cardiar thy thin disturbances including bradycardia. Overdose of levothyrtixine can cause antitythmias but comboniv ach, airthy horias. Metrorist is primarily used for the treatment of type 2 diabetes. While hypothytaensia, an cause collapse, it is tare with metrorism, liness used in combination with other glucose-lowering medications. Moreover, metrorism induced hypoglycaemia does not typically lead to bradycardia. There is no reason she should be taking lithium based on her medica. historian | | | | |
| the use of predoustions is recommended as a freatment for the should be administered within 72 hours of symptom onset. Act usually recommended by itself, unless there are clear signs of symplex virus infection. Getting a CT head scan is generally unless. | | The use of predinsulons is recommended as a treatment for Beil's palsy but if should be administered within 72 hours of symptom onset. Acciding is not usually recommended by itself, unless there are clear signs of a herpes simplex virus intection. Getting a CT head scan is generally unnecessary unless there are unique features, hat suggest an alternate diagnosis. | | | | |
| | 127 | Alipolar affective disorder expenences episodes of elevated mood feeling on top of the world inceding infle sleep engaging in humarous ac villes alternating with periods of depression timense sadness low energy loss of interest in activities, thoughts of self-harm. Cyclothymia is much more mild when compared with BAD insually without | | | | |
| | | major depression | | | | |



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|--|-----|---|--|--|--|--|
| | 128 | The hallmark of GBS is acute onset of ascending muscle weakness in the vignette, the woman has a rapidly progressing difficulty in walking, which aligns with the rupidal presentation of GBS. Additionally, he absent deep tendon reflexes in the lower limbs further support this diagnosis. Diabetic neuropathy most commonly presents as a sensory polyneuropathy with symptoms like tingling, pain, or numbriess. Sensory tends to be before motor loss. | | | | |
| | | MG > Normal lendon reflexes MS -> Increased fendon reflexes | | | | |
| | 129 | in the UK individuals diagnosed with epitepsy are required to cease driving immediately and notify the DVLA. They are generally not permitted to drive for 1 year from the date of their last setzure. | | | | |
| | 130 | For patients with type 1 drabetes melitus undergoing minor surgery, the primary goal is to avoid both hypo- and hyperglycaemia. In this scenario, where the patient is nil by mouth, there is a risk of hypoglycaemia if her usual insufin regimen is continued. However, completely omitting insufin could lead to hyperglycaemia or even diabetic keloacidosis. Reducing the dose of long-acting insufin helps maintain a baseline insufin level, reducing the risk of keroacidosis, while also our inishing the risk of hypoglycaemia due, o fasting | | | | |
| | | Commence a variable rate intravenous insulin infusion on the morning of surgery is generally, esserved for major surgery or when he patient's blood glucose levels are not well-controlled. | | | | |
| | 131 | The ECG findings suggest that the patient is experiencing a third-degree complete, atrioventricular (AV) block. Temporary pacing loftowed by permanent pacemaker. | | | | |
| | .32 | Maiaria Do a thick and thin blood film it is endemic throughout Came foor interesting fact. Did you know that Clameroon started the world's first routine vaccine program against malaria, marking a significant stride in the global fight against this mosquito-bome disease? The vaccine has been approved by the World Health Organization (WHO). The programme began on January 22, 2024. | | | | |



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| 133 | The presentation of bitate at antite swelling, particularly, in the absence of pain rechess, or systemic symptoms, is consistent with ambdipine induced peripheral cedema. This is a common side effect of calcium channel blockers particularly amographe. |
| 194 | Devamethasone is commonly used in the management of cerebral metastases, particularly in cases where there is evidence of raised intracrantal pressure, as indicated by the woman's symptoms and imaging findings. |



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The decision to proceed with or positione the distoscopy will be based on a comprehensive understanding of what would be in the patient's best interestating into acrount his medical needs, previously expressed wishes, and the hour from his daughter, who is familiar with his values and preferences.

Acting in the patient's best interest does not automatically mean proceeding with the procedural instead it means making a decision that best serves the patient's overall health and well-being, considering all relevant factors.

The first consideration is the medical necessity of the cystoscopy. If the procedure is critical for diagnosing or treating a potentially serious condition delaying it could be determental to the patient's health. The benefits of the procedure should be weighted against the risks.

136

he patient's daughter can provide valuable insight into his preferences and values. Her understanding of what ber father would have wanted in this situation is an important factor in deciding the best course of actor.

Option B is a good choice too but slightly less conect. While family members such as the daughter in this case, are crucial in providing support and information about the patient's preferences and values, they cannot automatically give consent. When a patient, a determined to lack capacity healthcare providers have a responsibility to act in the patient's best interest. This involves considering the patient's known of previously expressed preferences, values, and beliefs, as well as the medical benefits and risk.

Option Ellis done in complex cases where the patient's capacity to consent is compromised, and there might be uncertainty about their best interests or their previously expressed wishes. This would usually be the case when there are disagreements between family members or between the family and the bealthcare team, which is not seen in the stem above.



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| 126 | Alcohor is the answer here. His ethanor levels are very high. One can expect to be unconscious at values above 65.1 mmoVL. If this below this value (65.1%, we'd suggest not thinking about alcohol as the reason for the unconsciousness. Other tips are that his pupils are normal 1 nev were dilated you would think. |
| | of amphetamines The the apeutic blood concentration for aspirint salicytate) typically ranges from 10 to 30 mg/d. and tolde levels are above 30 mg/d. He probably just took a tablet of aspirit |
| 137 | Sometimes—arrive markings are mentioned instead which refer to parallel linear shadows seen in bronchieclasis. This condition is characterised by permanent entargement of parts of the already of the lung. The patient's history of smoking and finger history of smoking and finger history of smoking and finger. |
| 128 | If is easy to mistakenly put amoxicilin as the answer here, especially if you read this question quickly, but amoxicilin is uncorrect. This is a case of also pictal pneumonia suggested by a dry cough, malaise, and parchy infinitares on in aging in contrast type at pneumonia more often presents with jobar consolidation. The treatment for atypical pneumonia is clarithromycin. |
| 139 | The primary concern in croup is upper airway obstruction. Dexamethasone is effective in educing the inflammation and swelling in the airways which is the root cause of the distress in croup. Oxygen therapy is hypically reserved for cases where there are signs of severe respiration distress or significantly lower oxygen saturation levels in the context of croup oxygen herapy is hipically considered if there are signs of significant respiratory distress or if on gen saturation levels fail below 9,2% in this specific vignette low gen saturation was not even given likely not even measured because it is mild croup - there is no use of accessory muscles. |
| 140 | Given that the patient has a penicillin allergy, the suitable antibiotics for community-acquired pneumonia include doxycycline, clarithromycin, or en thromycin, in pregnancy. Only doxycy, line is an option here |

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| 141 | Progestogen-only contraceptives are generally preferred for treastfeeding women because they do not affect milk supply and are considered safe for the baby. The combined oral contraceptive pill (COCP) is usually not recommended during the initial weeks of preasifeeding due to its potential effect on milk supply. Options C and D are not oral medications. | | | |
| 142 | This is a broad-spectrum antibiotic effective against a wide range of organisms including those commonly responsible for petric infections. It covers both Gram-positive and Gram-negative bacterial as well as anaerobes. Flucious and pen are narrow spectrum. They target mostly gram positive bacterial only. Petric infections are often caused by a mix of aerobic and anaerobic bacterial including Gram-negative organisms. Cipro is good by again might not cover all the potential anaerobic pathogens. Just remember, co-amos for endometritis! | | | |
| Loperamide is an appropriate illeatment option for managing the symptoarchoea-predominan. BS II can nelp reduce dramhoea and improve regularry in some patients with IBS. | | | | |
| 144 | X-ray shows features of osteomyelitis - Localized bone loss. (V administration of antibiotics is typically chosen in severe cases of osteomyelitis. Flucioxacillin is effective against Staphylococcus aureus and often used as first line. (V gentamich) is effective against certain types of Graminegative bacteria by that limited efficacy against staph. | | | |
| 145 | This is typical IBS. His clinical presentation tacks fred flag' features typically associated with colo ectal cancer or inflammatory bower disease. Metevenne can help with abdo cramps. | | | |



| N | 10. | PLABABLE EXPLANATIONS. Some of the explanations are not complete out they will be complete at the end of the last day of the nourse. All explanations will be updated on this day too to better answer your questions during the discussion on the task day. |
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| 1 | 48 | Scables For typical Lases of scables, where the clinical presentation is strongly suggestive of the condition (such as in cases with a classic history and hipical rash like in this case. Treatment with permethnic signer initiated based on chical diagnosis alone, without the need for ston scrapings. This approach is particularly common in primary care settings. However, starting reatment without investigating is NOT an option given here. So, the next best investigation would be skin scraping. Satin scraping is the most appropriate investigation for suspected scables in this procedure, a small amount of slon is scraped of and examined under a microscope. |
| 1 | 47 | These symptoms align with common nimical manifestations of diverticulitis partinularly in exterty patients. The location of the pain in the entimitive quadrant is typical for diverticulitis, as diverticular are most commonly found in the sigmoid colon, which is located in this area. Acute appendicins typically presents with pain that starts around the umbilicus and later fedalises to the right mad tossal Symptoms like rectal bleeding and constipation are not hypical for acute appendicits. schaemic collisis often presents with sudden onser abdominal pain and rectal bleeding. It is more likely to occur in individuals with a history of cardiovascular disease and a neroscienosis in usually affects different parts of the colon and often involves abdominal pain, that is out of proportion to physical findings, which is not described in this case. Colorectal cardinoma presents typically with rectal bleeding and changes in bower habits. Pain is not a prominent early symptom. |



| NO | PLABABLE EXPLANATIONS (Some of the explanations are not complete but they will be complete at inclend of the last day of the neurse. All explanations will be updated on this day roo to better answer your questions during the discussion on the last day. | | | |
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| The key features in this patient that point lowards cardiac tamponage if muffled heart sounds, hypotension (blood pressure < 90/60 mmHg), tachycardia (heart rate of 110 beats per minute), and cold peripheres indicative of pool perfusion. The muffled heart sounds in this vignette the most imponant las this can only be seen in cardiac tamponade whe compared with the other options. | | | | |
| | If is unclear what has caused the cardiac tamponade in this vignette. Cardiac tamponade can occur without trauma through several non-traumatic causes. Examples include pencarditis, cancer, renal failure, uraemia, lupus, radiation etc. | | | |
| The patient cannot be given antibiotics that are part of the peniciBin to like co-amoxician (option A) and flucioxacian loption By A. cording to NFCE CKS for a patient with penicillin altergy who has an animal bite and requires antibiotic prophylaxis, the recommended is a combination of metronidazole and doxycycline for a duration of tidays. | | | | |
| 160 | Fluoxetine is a type of SSRI and is commonly used as a first-line pharmacological treatment for OCD SSRIs are generally preferred due to their safety profile and relevantity. It is important to note that fluoxesine is not the only selective serotor in explake inhibitor SSR that can be used as a first-line freatment for obsessive-computative discuser (OCD) in adults. Other SSRIs including escriptopram fluoxeamine paroxetine and sertraline are also beensed and effective for treating OCD. | | | |
| 121 | Carbimatole a medication used to real hyperthyroidism can have a side effect of agranulocytosis, which is a significant drop in white blood cells. The presentation of a sore throat and level in a patient on Larbimazole raises concern for this condition. A low white cell count on the FBC would support this diagnosis and necessitates urgent medical intervention. This should be treated as priority over the other options. | | | |



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|-------------|---|--|--|--|
| | In this case, as long as the patient has normal vitals, he is alright to be managed as an outpatient. | | | |
| 152 | I feasies is generally more common in children howeve adults can still cont, act measies if they have not been previously vaccinated or if they have not had the disease before. Measies in adults can be more severe compared to children, with a higher risk of complications. | | | |
| 1 <u>50</u> | The patient's presentation is highly suggestive of a subarachnoid had more hage. SAH I Key features the lade is a closen seve a headache location which is located at the base of the skull, and neck stiffness. White fever can be present in SAH, its absence, along with the acute presentation makes an infectious process like meningitis less likely. In such a case, a CIT head is the first-line wives igainor. | | | |
| | These symptoms are suggestive of mumps, a viral infection typically caused by the mumps virus. His lack of the MMR (measles, mumps, and rubella vaccination in childhood significantly increases his suscepublity to contracting mumps. | | | |
| 184 | The management of mumps mainly involves supportive care since it is a self-limiting viral liness. Oral acyclovir is an antiviral medication but is not effective against the mumps virus. | | | |
| 156 | Sampless is characterised to non-case atinn granulomas in various organs commonly affecting the kings. Bilateral respiratory Crackles. This linding on chest auscultation is indicative of lung involvement, which is a hallmark of sarcoldosis. Bilateral Hitar Lymphadenopathy on Chest X-Ray. This is a classic radiographic finding in sarcoldosis. Systemic symptoms such as high sives a can occur in sarcoldosis, but they are usually not as pronounced as it conditions like tuberculosis or lymphoma. However, the overall picture mentioned in all the other points, suggests sail cidosis as the diagnosis. | | | |
| 156 | The cause of death in partita of the death certificate should reflect the direct | | | |



| PLABABLE EXPLANATIONS (Some of the explanations are not complete they will be compared at the end of the last day of the course. All explanations will be updated on this day too to better answer your questioning the discussion on the last day. | | | | | |
|---|--|--|--|--|--|
| 157 | One of the main features here is that the AST is double the ALT. This is suggestive of alcoholic liver injury. GGT is also assed. Bilindan both raised unconjucated and conjugated, which is consistent with alcoholic hepatitis. Choledocholithiasis would result in ALP to be significantly raised + biliary colic. | | | | |
| | aundice is not a common initial presentation of chronic pancrealities | | | | |
| 158 | Key features of LBD include fluctualing cognition with pronounced variations to attention and alertness, recurrent visual halluctrations (typically well-formed and detailed, as in the case of seeing small animals), and motor symptoms consistent with Parkinsonism (such as stiffness and slow movement). All of which are in the stem. | | | | |
| | along with occasional bleeding lare characteristic of haemoriholds | | | | |
| 159 | Rectal prolapse involves the rectum itself protruding from the arius incruss, a tump or swotten veins. Unlike backmonthoids which can be easily pushed backm, a rectal prolapse often stays profuded and may require manual repositioning or may not be able to be pushed back at all | | | | |
| 160 | In cases of viral meninguis where the patient is clinically stable with no signs of severe infection or complications outpasient management is typically appropriate. Viral meningitis is often a set limiting condition, and the mains ay of freatment is supportive that. This includes adequate hydralion rest, and analysis for symptom control, such as paracelamol for fever and headache. | | | | |
| | Starting intravenous act clovir would be appropriate if there were a high suspicion of hexpes simplex virus. [HSV] as the liause of wrall meningals. | | | | |



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The woman's symptoms of progressive muscle weakness in both arms and legs compined with muscle wasting fasciculations, twitching, sturred speech, and holding on liquids, are characteristic of MND LiND affects both the upper and lower motor neurons, a pper motor neuron signs are indicated by brisk reflexes, while lower motor neuron signs are shown by muscle wasting and asciculations. This combination of symptoms and signs strongly suggests MND.

The other options are incorrect.

Myasthenia Gravis. While myasthenia gravis can cause muscle weakness. If typically presents with fatigable weakness and often involves ocular muscles which is not inemioned in the vignese. The presence of fasciculations and the specific pattern of reflex changes are also not characteristic of myasthenia mans.

151

Multiple Scierosis (M3). MS could present with a variety of neurological symptoms but symptoms often relapse and remit, especially in the early stages of the disease. Progressive forms of MS do cost, but the course tends to be more fluctuating. The motor signs tend to be more variable, can include spasticity and weakness, but without the marked muscle wasting seen in UNO.

Guillain-Barre Stindrome (GBS) GBS typically presents with a more acute onset of ascending paralysis and areflexia (absence of reflexes), which is not consistent with the findings in the vignette.

Rheumatoid Armintis. Rheumatoid a thirtis does not cause, he neurological signs such as fasciculations, and brisk reflexes seen in this patient.

162

Pompholyx, also known as dyshidrotic recemal is characterised by small litchs bisiters on the hands and feet. The most appropriate initial treatment is the use of a potent topic at corticosteroid, such as betamethasone, to reduce inflammation and tiching. The other options listed (oral fluctoxacilin, oral amoxicilin, metronidagole, and inpicat vitamin Elliare not typically used as first-line treatments for pompholyst.



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The main difference between option A and D is that option D has intravenous into in this son, we have considered an hour after starting intravenous normal saline. Regular monitoring of blood glucose and electrolytes along with adjustments to therapy based on the patient's response its also a critical part of the management, however, option A omits the Judian component of insuling herapy. A judy is the main reason potent of mouling herapy. A judy is the main reason potent of mouling herapy.

Ordering thyroid function tests is the most appropriate next step in this scenario cikely hyperthyroidism. While an ultrasound is important in the line of the lin

Starting treatment with carbinazole should only be considered after confirming the diagnosis with thyroid function tests.

A referred to AAF is suitable and here were of a thyroid storm would include a heart rate of more than 140 bpm or arrhythmas like atnot fibrillation, fever altered mental status, and severe vomiting

Needs A&E assessment in primary care settings tire GP clinics, immediate

access to X-ray facilities may not be available. Chricians working in the GP clinics refer patients for X-rays, which usually involves sending them to a nospital or a diagnostic imaging centre. Even if the clinician marks it as argent if is unlikely to be also on the same day. So in lases of suspected services and have sequely in imediate after it in such as suspected at the other patients. As the argent will have a such the patient in a Aprille and a mergency. As 6 department where X-rays can be some on the same.

n a patient with a first ow of prostate cancel presenting with new persistent back and neck pair without a silected authors the course for metastance disease rus being him the different and agreements. Plastate cancer most sensitive macing modalsh for the minus personal metastases and would be the most appropriate thext step in management to fulle out metastases.



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we would classify this as a subpar guestion or even an unlair question. We write these questions because we want to mirror the ambiguous questions you would get in the exam. Often in exams, questions are framed in a way that tests understanding of specific concepts and infricacies of the language used. In real life, one would opviously know if the patient has been shocked already.

in cases of ventricular fibrillation, particularly in the cornex of cardiac arrest the cornect intervention is defibrillation, not DC cardioversion. The terms are sometimes used interchangeably in common language, but there is a significant difference in a clinical setting. Defibrillation is an unsynchronised shock used in the emergency treatment of life-threatening cardiac arithy throas, especially ventricular fibrillation, and pulseless ventricular tachy cardia white DC card-oversion is a synchronised shock typically used for stable divitions such as atrial fibrillation.

167

So the best answer here would be defibrillation, but this is not given as an option

The next best option is intravenous amoderone. This choice is based on the assumption that delibritiation attempts have already been made.

In some situations where there is a rare event of ambiguity in a question will energy two options could be deemed. Or ect after the examination GMC would review the question and the circumstances surrounding the ambiguity if it is found that two answers could reasonably be considered correct, the board might decide to award marks for either answer in some cases, they might also choose to remove the question from the scoring allogether in this specific question, we have chosen to go with just ONE answer. All Good lock-



| NO. | PLABABLE EXPLANATIONS (Some of the explanations are not complete but they will be complete at the end of the tast day of the course. All explanations will be updated on this day too to better answer your questions during the discussion on the tast day) |
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| 168 | In the case of a patient with incidentally found gallstones who is asymptomatic, the best management is often a conservative approach. This is because the majority of individuals with gallstones do not develop symptoms. Regular monitoring of liver function tests (LFTs) in asymptomatic gallstone patients is not routinely indicated. LFTs are more relevant in symptomatic patients, particularly if there is suspicion of complications like cholecystitis or choledocholithtass. Surgery, such as cholecystectomy, is generally reserved for symptomatic patients. In asymptomatic individuals, the risks of surgery may outweigh the benefits, especially considering that many people with gallstones never develop symptoms. |
| 165 | Below 40 - do an US. Reassurance is not useful there as she is just below 40. We should confirm the lump although clinically sounds like a fibroadenoma. |
| 170 61 ^A | The key indicators for this diagnosis are the high serum calcium and elevated parathyroid hormone (PTH) levels. Primary hyperparathyroidism is characterised by the overproduction of PTH, leading to hypercalcaemia. The absence of symptoms like bone pain or kidney stones odes not rule it out, as it can be asymptomatic or present with non-specific symptoms like weakness and fatigue. Mitamin D Deficiency hypically leads to hypocalcaemia, not hypercalcaemia and would not explain the elevated PTH. Hypercalcaemia of malignancy could cause elevated calcium levels, but the hypercalcaemia in malignancy is often significantly higher too (of course the degree of hypercalcaemia can vary based on the type and stage of the malignancy as well as the mechanism causing the hypercalcaemia). Additionally, PTH is usually not elevated in malignancy-related hypercalcaemia. |
| 171 | Postherpetic neuralgial. Pick a neuropathic pain medication. The only option here is gabapentine. |



| NO. | PLABABLE EXPLANATIONS (Some of the explanations are not complete but they will be complete at the end of the last day of the course. All explanations will be updated on this day loo to better answer your questions during the discussion on the last day) |
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| 172 | The most appropriate initial action would be to start high-dose corticosterolds. This is the standard initial treatment for nephrotic syndrome in children, particularly for minimal change disease, which is the most common cause of nephrotic syndrome in this age group. Corticosterolds are effective in reducing inflammation and proteinuna in most cases. We do not start by doing a biopsy, in fact, we rarely do any biopsies. We only do it if there are atypical features or it does not respond to medical therapy. |
| 173 | This is acute offits media (given the perforation). Not offits external. Antibiotics is required here as clinically she is ill with a fever + discharge. Oral antibiotics are suitable for acute offits media. Amost cannot be given as she is pen allergic so oral clarithromyon is the next best. |
| 174 | Symptoms of dark-coloured urine and oedema that happen weeks after is typical for PSGN We prefer the term "post-infectious glomerulonephritis" rather than "post-streptococcal glomerulonephritis". It is often considered a more inclusive and accurate description compared to "post-streptococcal glomerulonephritis". However, in the exam setting, you may find "post-streptococcal glomerulonephritis" used. Many candidates would have picked igA nephropathy incorrectly. In IgA nephropathy, patients frequently expenence episodes of haematuria that occur concurrently or shortly after an upper respiratory infection. This typically happens within a day or two of the infection (rather than weeks). This is a key distinguishing feature of IgA nephropathy and is due to the deposition of IgA antibodies in the glomeruli of the kidneys during or immediately following an infection. |
| 175 | In the LIK, current guidelines recommend that patients who have experienced a suspected transient ischaemic attack (TIA) within the last 7 days should be referred to see a specialist within 24 hours of onset of symptoms. |
| | System Calabrit 5969 Bloom System |



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| | 175 | Pink frothy sputum is a classic symptom associated with pulmonary dedema, especially in acute or severe cases. The pink colour of the sputum is due to the presence of blood, a result of the rupture of small blood vessels within the lungs due to increased pressure. The frothiness is due to the modure of this fluid with air in the lungs. In this case, the pulmonary dedema is likely caused from heart failure given his history of hyperiension. Pleural effusions rarely cause pink frothy sputum, which is more characteristic of pulmonary dedema. |
| gaatro. | 177 | The X-ray clearly shows a patella fracture. There is displacement of the fractured fragment. The fragments are separated by a noticeable gap. We feel that more and more X-rays will be asked in future exams as the exam takes into account the MLA content map. So we have put this one here to start testing your knowledge on fateral X-rays of the knee. Patella fractures are typically best visualised using a lateral X-ray of the knee. While an anteroposterior (AP) or anterior X-ray of the knee can also be used, it is less effective for diagnosing patella fractures. This is because the patella lies anterior to the distail femur, and in the AP view, the patella is superimposed over the femur, which can obscure details of the fracture. So, it would be reasonable to start looking for a patella fracture when a lateral X-ray of the knee is provided in an MCQ, especially in the context of direct traums to the knee. |
| | 570 | Acute psychosis can be triggered by various factors, including substance use The close temporal relationship between the onset of psychotic symptoms and the recent initiation of cannabis use strongly suggests a substance-induced psychosis. Delusional disorder is not hypically associated with substance use. Also, it typically has a more gradual onset and is characterized by the presence of one or more non-bizaire delusions that persist for at least one month. In this case, the sudden onset of symptoms following recent cannabis use aligns more closely with acute psychosis, especially considering the short duration of symptoms (24 hours). |



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| | 179 | Wilm's tumour also known as nephroblasjoma, is a common renal malignancy in children and often presents as an asymptomatic abdominal mass. It typically presents in children aged 3 to 4 years old. It's usually a large, smooth, and firm mass that can be fell on one side of the abdomen. Children with Wilms, tumor are often otherwise well, which aligns with the description of the child appearing well despite the abdominal distension. |
| Query del | 180 | In the case of an umbitical hemia in a child, particularly one that is asymptomatic and reducible like in the scenario presented, the standard approach is to monitor the condition as these hemias often resolve spontaneously. Surgery is usually reserved for hemias that do not close by the time the child is 4-5 years old, are particularly large, or if they cause symptoms or complications. The use of a truss is not typically advised because these hemias often resolve spontaneously without intervention. |
| | | We kindly request that you retrain from sharing this BIG MOCK. If you come across anyone who does, glease inform us. Thank you. |

